

UNITED STATES  
PATENT AND  
TRADEMARK OFFICE



JANUARY 23, 2002

PTAS

Chief Financial Officer and Chief Administrative Officer  
Washington, DC 20231  
www.uspto.gov

RALPH A. DOWELL  
1215 JEFFERSON DAVIS HIGHWAY  
SUITE 309  
ARLINGTON, VA 22202-3124

RECEIVED  
JAN 28 2002



BY:.....  
UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/28/2001

REEL/FRAME: 012325/0060  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
OULD-BRAHIM, HAMID

DOC DATE: 10/18/2001

ASSIGNOR:  
WRIGHT, GREGORY

DOC DATE: 10/18/2001

ASSIGNEE:  
NORTEL NETWORKS LIMITED  
2351 BOULEVARD ALFRED-NOBEL  
ST. LAURENT, QUEBEC, CANADA H4S 2A9

SERIAL NUMBER: 09902683  
PATENT NUMBER:

FILING DATE: 07/12/2001  
ISSUE DATE:

KIMBERLY WHITE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

BEST AVAILABLE COPY

12-03-2001

FORM PTO-1595  
(REV.6-93)

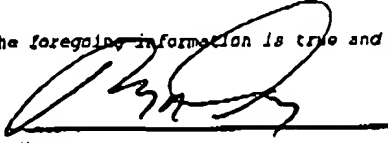
101905219

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

SHEET

Our Docket No.: 13716

The Honorable Commissioner of Patents and Trademarks:  
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): <b>Amid Ould-Brahim and Gregory Wright</b> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: <b>Nortel Networks Limited</b>  Street Address: <b>2351 Boulevard Alfred-Nobel</b>  City: <b>St. Laurent</b> State <b>Quebec</b> Zip: <b>H4S 2A9</b> <b>CANADA</b>  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other _____  Execution Date: <u>10/18/2001</u>		4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____  Title: <b>PIGGYBACKING VPN INFORMATION IN BGP FOR NETWORK BASED VPN ARCHITECTURES</b> A. Patent Application No.(s) <b>09/902,683</b> Filed: <b>07/12/2001</b> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <b>Ralph A. Dowell</b> Internal Address: _____  Street Address: <b>Suite 309, 1215 Jefferson Davis Highway Arlington, VA 22202-3124 (703) 415-2555</b>		6. Total number of applications and patents involved: <u>1</u>  7. Total fee (37CFR 3.41).....\$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number: _____ <small>(Detach duplicate copy of this page if paying by deposit account)</small>	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  <u>Ralph A. Dowell 26,868</u> <small>Name of person signing</small>			
 <small>Signature</small>		<u>11/27/2001</u> <small>Date</small>	
Total number of pages (including cover sheet, attachments and document): <u>2</u>			

Mail documents to be recorded with required cover sheet information to:  
 Commission of Patent & Trademarks, Box Assignments  
 Washington, D.C. 20231

11/30/2001 LMIJELLER 00000079 09902683

01 FC:581

40.00 [P]

Attorney File Ref: 12778ROUS02U

**ASSIGNMENT  
NORTEL NETWORKS LIMITED**

For value received, I (we) the undersigned, whose full post office address(es) is (are) adjacent my (our) name(s), hereby sell, assign and transfer to:

whose full post office address is: **NORTEL NETWORKS LIMITED**  
2351 Boulevard Alfred-Nobel  
St. Laurent, Quebec  
Canada, H4S 2A9

its successors, assigns and legal representatives, the entire right, title and interest, including priority rights, for all countries, in and to certain inventions relating to:

**PIGGYBACKING VPN INFORMATION IN BGP FOR NETWORK BASED  
VPN ARCHITECTURES**

set forth in an application for letters patent of **the UNITED STATES OF AMERICA**

Serial No. 09/902,683, filed July 12, 2001

and all rights and privileges under any and all letters patent that may be granted for said inventions.

Heather Malette  
Witness Signature  
HEATHER MALETTE  
Witness Name (print)

Harid Ould-Brahim Date October 18 2001  
Assignor  
21 Wynridge Place  
Kanata, Ontario K2M 2S8 CANADA

Heather Malette  
Witness Signature  
HEATHER MALETTE  
Witness Name (print)

Gregory V. Wright Date OCT 16, 2001  
Assignor  
41 Delamere Drive  
Stittsville, Ontario K2S 1R2 CANADA

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Date  
Assignor

\_\_\_\_\_  
Witness Name (print)

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Date  
Assignor

\_\_\_\_\_  
Witness Name (print)

☐ Additional Assignors on attached Page 2

DEC-06-2005 16:52

9724453850

P.04/11

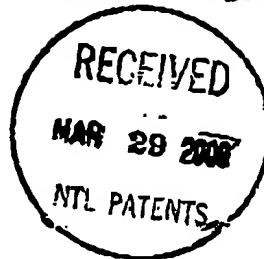
## FILING RECEIPT



\*000000004985075\*

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeAddress: ASSISTANT SECRETARY AND  
COMMISSIONER OF PATENT AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/441,367	11/17/1999	2755	2330	RO4462	14	35	18

JEFFREY M MEASURES  
C/O NORTEL NETWORKS CORPORATION  
INTELLECTUAL PROPERTY LAW GROUP  
P O BOX 3511 STATION C  
OTTAWA, K1Y4H7  
ONTARIOJm SH  
Jumison

Date Mailed: 03/08/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

DWIGHT D. JAMIESON, OTTAWA, ;  
RONG R. WANG, RESIDENCE, ;

## Continuing Data as Claimed by Applicant

## Foreign Applications

CANADA 2,254,813 11/18/1998

Foreign filing license granted on 12/27/1999

## Title

DISTRIBUTION OF REACHABILITY INFORMATION IN DATA VIRTUAL PRIVATE NETWORKS

## Preliminary Class

709

Data entry by : TYSON, LASHONNAH

Team : OIPE

Date: 03/08/2000

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

FILING RECEIPT ALREADY RECEIVED?



DEC-06-2005 16:53

IP LAW GROUP

9724453850

P.05/11

**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 36 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

**PLEASE NOTE the following information about the Filing Receipt:**

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "Improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 600 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, DC 20231

DEC-06-2005 16:53

IP LAW GROUP

5124403000

P.00/11



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 Patent and Trademark Office  
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
 Washington, D.C. 20530  
 www.uspto.gov

T15110 4810  
 Jeffrey M Measures  
 c/o Nortel Networks Limited  
 Intellectual Property Law Group  
 PO Box 3511 Station C  
 Ottawa, ON K1Y4H7

## NOTICE OF CONFIRMATION NUMBER ASSIGNMENT

(Confirmation Number Required For Electronic Filing System Submissions)

Starting November 29, 2000, newly filed utility and plant applications for patents become subject to publication, and pending utility and plant applications may be published on the request of applicants. See 35 USC 122(b) and Changes to Implement Eighteen-Month Publication of Patent Applications, 65 Fed. Reg. 57023 (September 20, 2000), 1239 Off. Gaz. Pat. Office 63 (October 10, 2000). See <http://www.uspto.gov/web/offices/dcom/opa/alepa/rulechgs.htm>. For applications filed before, but pending on, November 29, 2000, an applicant may request voluntary publication pursuant to 37 CFR 1.221. The request must include a copy of the application in compliance with the Office's Electronic Filing System (EFS) requirements and be accompanied by the publication fee (37 CFR 1.16(d)) and the processing fee (37 CFR 1.17(f)). See <http://www.uspto.gov/ebs/efs/index.html> for a discussion of the EFS requirements.

The EFS requirements include the use of a "confirmation number" in addition to the application number when submitting a specification for publication in order to ensure that the electronic submission is associated with the correct application number assigned to the application. This confirmation number is used in conjunction with the application number to identify a pending application. This procedure is necessary because many applications will have identical filing dates and similar application numbers and therefore a typographical error in the application number could result in the specification submitted via the EFS being placed in the wrong application if only the filing date and application number were used as the confirmation mechanism.

If an electronic copy of the data contained in this notice is desired, or if there are questions concerning this notice, contact the EBC Customer Support Center at (703) 305-3028.

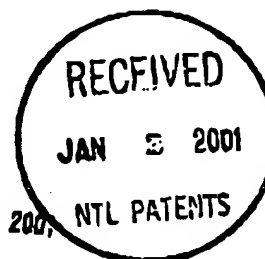
Serial No.	Confirm No.	Filing Date	Attorney Dkt
09597245	4710	20-JUN-00	10589STUS01U JM/SH
09148154	2876	04-SEP-98	GUO-2-RO3815 JM/SH
09441367	4228	17-NOV-99	RO4462 JM/SH J. J. J. J. J.
09392659	1551	09-SEP-99	HANRIEDER
09206302	5313	07-DEC-98	FONG-1-2002 J. J. J. J. J.

End of Report

JM/SH RM 1125

REQUEST PUBLICATION?

YN

SAH  
08/01

JAN 16 2001

DEC-09-2005 16:53

IP LAW GROUP

3124453030

P.15/19

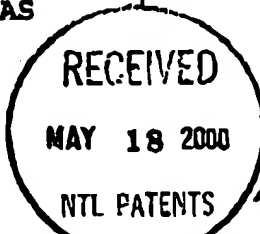


UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

MAY 08, 2000

NORTEL NETWORKS CORPORATION  
DENNIS R. HASZKO  
INTELLECTUAL PROPERTY LAW GROUP  
P.O. BOX 3511, STATION C  
OTTAWA, ONTARIO CANADA K1Y 4H7

PTAS



\*101289369A\*

*SM 54 2004102*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/24/2000

REEL/FRAME: 010600/0667  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

JAMIESON, DWIGHT D.

DOC DATE: 02/16/2000

## ASSIGNOR:

WANG, RONG R.

DOC DATE: 02/05/2000

## ASSIGNEE:

NORTEL NETWORKS CORPORATION  
WORLD TRADE CENTER OF MONTREAL  
380 ST. ANTOINE ST. WEST, 8TH  
FLOOR  
MONTREAL, QUEBEC, CANADA H2Y 3Y4

SERIAL NUMBER: 09441367

PATENT NUMBER:

FILING DATE: 11/17/1999

ISSUE DATE:

*6*

FORM PTO-1595  
(Rev. 6-93)

101289369

FORM COVER SHEET  
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

OMB No. 0031-0011 (exp. 6-94)

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy (specify):

## 1. Name of conveying party(ies):

Dwight D. JAMIESON  
Rong R. WANG

## 2. Name and address of receiving party(ies):

Name: NORTEL NETWORKS CORPORATION

Address: World Trade Center of Montreal  
380 St. Antoine St. West, 8th Floor  
Montreal, Quebec, Canada H2Y 3Y4

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date:

February 16 &amp; February 5, 2000

Additional name(s) &amp; address attached?

☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/441,367

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Dennis R. HASZKO  
NORTEL NETWORKS CORPORATION  
Intellectual Property Law Group  
Address: P.O. Box 3511, Station C  
Ottawa, Ontario  
Canada K1Y 4H7

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 341).....

\$40.00

☐ Enclosed☒ Authorized to be charged to deposit account

## 8. Deposit account number:

14-1315

## 9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Dennis R. HASZKO, #39,575  
Name of Person Signing

Signature

February 23, 2000  
Date

Total number of pages comprising cover sheet, attachments, and document:

2

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231DEC 09 2005  
PATENT & TRADEMARK OFFICE

FEB 24 2000

03/15/2000 REC'D 00000000 141215 09441267

01 FEB 2000 00.00 CN

DO NOT USE THIS SPACE



DEC-09-2005 16:34

IP LAW GROUP

3124433030

1.00 11

Attorney File Ref: RO4462

## ASSIGNMENT NORTEL NETWORKS CORPORATION

For value received, I (we) the undersigned, whose full post office address(es) is (are) adjacent try (our) name(s), hereby sell, assign and transfer to:

### NORTEL NETWORKS CORPORATION

whose full post office address is: World Trade Center of Montreal  
380 St. Antoine Street West, 8th Floor  
Montreal, Quebec, Canada H2Y 3Y4

its successors, assigns and legal representatives, the entire right, title and interest, including priority rights, for all countries, in and to certain inventions relating to:

### DISTRIBUTION OF REACHABILITY INFORMATION IN DATA VIRTUAL PRIVATE NETWORKS

set forth in an application for letters patent of the UNITED STATES OF AMERICA

Serial No. 09/441,367 filed 11/17/99


and in Canadian Patent Application No. 2,290,055 filed 11/17/99

and all rights and privileges under any and all letters patent that may be granted for said inventions.



Witness Signature

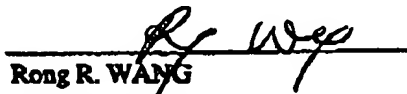
Daren Dao  
Witness Name (print)

 Date 12/16/00  
Dwight D. JAMIESON  
146 Guilgues Avenue,  
Ottawa, Ontario, Canada  
K1N 5H9  
Assignor



Witness Signature

Tao Guan  
Witness Name (print)

 Date 2/5/00  
Rong R. WANG  
1623 Hagel Grove Court,  
Wheeling, Illinois, U.S.A.  
60090  
Assignor

Witness Signature

Witness Name (print)

Date  
Assignor

Witness Signature

Witness Name (print)

Date  
Assignor

Witness Signature

Witness Name (print)

Date  
Assignor

☐ Additional Assignors on attached Page 2

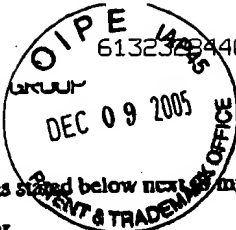
FORM 977 (0/99)

DEC-09-2005 16:04

IF LHM ORIGIN

3124403800

P. 18/19



Attorney File Ref: RO4462

As a below-named inventor, I hereby declare that:  
My Residence, Post Office address and Citizenship are as stated below next to my name.

☐ I believe that I am the original, first and sole inventor

☒ I believe I am an original, first and joint inventor

of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### DISTRIBUTION OF REACHABILITY INFORMATION IN DATA VIRTUAL PRIVATE NETWORKS

the Specification of which

☐ is attached hereto

☒ was filed on November 17, 1999 as U.S. Application or PCT International Application No. 09/441,367

☐ and was amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified Specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the Examination of the Application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign Application(s) for Patent or Inventor's Certificate listed below and have also identified below any foreign Application for Patent or Inventor's Certificate having a filing date before that of the Application on which priority is claimed:

#### PRIOR FOREIGN APPLICATION(S)

Priority  
Claimed  
X

Number: 2,254,813

Country: Canada

Date Filed: November 18, 1998

Number: \_\_\_\_\_

Country: \_\_\_\_\_

Date Filed: \_\_\_\_\_

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional Application(s) listed below.

Application Number: \_\_\_\_\_

Date Filed: \_\_\_\_\_

Application Number: \_\_\_\_\_

Date Filed: \_\_\_\_\_

I hereby claim the benefit under Title 35, United States Code, §120 of any United States Application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States Application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the National or PCT International filing date of the Application.

Application Number: \_\_\_\_\_

Date Filed: \_\_\_\_\_

Status: \_\_\_\_\_

Application Number: \_\_\_\_\_

Date Filed: \_\_\_\_\_

Status: \_\_\_\_\_

Application Number: \_\_\_\_\_

Date Filed: \_\_\_\_\_

Status: \_\_\_\_\_

I hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: W. Glen Johnson, Reg. No. 39,125, Nortel Networks Corp., Intellectual Property Law Group, P.O. Box 832190, Richardson, TX 75083-2310; and Dennis R. Hanzke, Reg. No. 39,575, Nortel Networks Corp., Intellectual Property Law Group, P.O. Box 3511, Station C, Ottawa, Ontario, Canada K1Y 4H7.

Address all correspondence to NORTEL NETWORKS CORPORATION, Intellectual Property Law Group, P.O. Box 3511, Station C, Ottawa, Ontario, Canada K1Y 4H7

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the Application or any Patent issued thereon.

Full Name of First or Sole Inventor: <b>Dwight D. JAMIESON</b>	Signature of First Inventor: <i>[Signature]</i>	Date: <b>2/16/00</b>
Residence Address: <b>Ottawa, Ontario, Canada</b>	Country of Citizenship: <b>Canada</b>	
Post Office Address: <b>146 Guigues Avenue, Ottawa, Ontario, Canada, K1N 5H9</b>		
Full Name of Second Inventor (if any): <b>Rong R. WANG</b>	Signature of Second Inventor: <i>[Signature]</i>	Date: <b>2/15/00</b>
Residence Address: <b>Wheeling Illinois U.S.A</b>	Country of Citizenship: <b>Canada</b>	
Post Office: <b>1623 Ba</b>	<b>S.P.A. 60090.</b>	
Full Name: <b>DECI. &amp;</b>	Signature of Third Inventor:	Date:
Residence: <b>Assignment</b>	Country of Citizenship:	
Post Office:		

Signatures should conform to names as typewritten.

☐ Additional Inventors on attached Page 2.

Form ITP (04/99)

Attorney File Ref: RO4462

## ASSIGNMENT NORTEL NETWORKS CORPORATION

For value received, I (we) the undersigned, whose full post office address(es) is (are) adjacent my (our) name(s), hereby sell, assign and transfer to:

### NORTEL NETWORKS CORPORATION

whose full post office address is:

World Trade Center of Montreal  
380 St. Antoine Street West, 8th Floor  
Montreal, Quebec, Canada H2Y 3Y4

its successors, assigns and legal representatives, the entire right, title and interest, including priority rights, for all countries, in and to certain inventions relating to:

### DISTRIBUTION OF REACHABILITY INFORMATION IN DATA VIRTUAL PRIVATE NETWORKS

set forth in an application for letters patent of the UNITED STATES OF AMERICA

Serial No. 09/441,367, filed 11/17/99

and in Canadian Patent Application No. 2,290,055 filed 11/17/99

and all rights and privileges under any and all letters patent that may be granted for said inventions.

Witness Signature

Daren Dao  
Witness Name (print)

Witness Signature

Tao Guan  
Witness Name (print)

Witness Signature

Witness Name (print)

Witness Signature

Witness Name (print)

Witness Signature

Witness Name (print)

Dwight D. Jamieson Date 2/16/00  
Dwight D. JAMIESON  
146 Guigues Avenue,  
Ottawa, Ontario, Canada  
K1N 5H9  
Assignor

Rong R. Wang Date 2/5/00  
Rong R. WANG  
1623 Eagle Grove Court,  
Wheeling, Illinois, U.S.A.  
60090  
Assignor

\_\_\_\_\_  
Date Assignor

\_\_\_\_\_  
Date Assignor

\_\_\_\_\_  
Date Assignor

☐ Additional Assignors on attached Page 2

Form NTP (2499)

TOTAL P.11

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER: \_\_\_\_\_**

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**